Contents of Volume

Volume 47 No. 1

ENVIRONMENTAL TOXICOLOGY AND RISK ASSESSMENT

- 1 The contribution of 2,3,5-trichlorophenyl methyl sulfone, a metabolite of 1,2,4-trichlorobenzene, to the δ-aminolevulinic acid synthetase induction by 1,2,4-trichlorobenzene in rat liver Y. KATO & R. KIMURA (Japan)
- 9 Changes in mutagenicity during biodegradation of fenitrothion T. MATSUSHITA, Y. MATSUI, S. TANIWAKI & T. INOUE (Japan)
- 15 Effects of waterborne exposure to 4-nonylphenol on plasma sex steroid and vitellogenin concentrations in sexually mature male carp (*Cyprinus carpio*)
 D. L. VILLENEUVE, S. A. VILLALOBOS, T. L. KEITH, E. M. SNYDER, S. D. FITZGERALD & J. P. GIESY (USA)
- 29 Effects of cadmium upon longevity of *Diplostomum* sp. (Trematoda: Diplostomidae) cercariae M. PIETROCK (Germany), D. J. MARCOGLIESE & J. D. MCLAUGHLIN (Canada)
- 35 Short-term responses of *Oryzias latipes* (Pisces: Adrianichthyidae) and *Macrobrachium nipponense* (Crustacea: Palaemonidae) to municipal and pharmaceutical waste water in Beijing, China: survival, behaviour, biochemical biomarkers
 - A. GERHARDT, L. J. DE BISTHOVEN (China, Germany), Z. MO, C. WANG, M. YANG & Z. WANG (China)
- 49 Efficacy of vitamin-C (L-ascorbic acid) in reducing genotoxicity in fish (*Oreochromis mossambicus*) induced by ethyl methane sulphonate
 - B. GUHA & A. R. KHUDA-BUKHSH (India)
- 57 Chromosomal damage in peripheral blood lymphocytes of traffic policemen and taxi drivers exposed to urban air pollution
 - S. BURGAZ, G. C. DEMIRCIGIL, B. KARAHALIL & A. E. KARAKAYA (Turkey)
- 65 Acute toxicity of chlorophenols to earthworms using a simple paper contact method and comparison with toxicities to fresh water organisms
 - A. MIYAZAKI, T. AMANO, H. SAITO & Y. NAKANO (Japan)
- 71 Effect of 17β-estradiol on the reproduction of Japanese medaka (*Oryzias latipes*)
 I. J. KANG, H. YOKOTA, Y. OSHIMA, Y. TSURUDA, T. YAMAGUCHI, M. MAEDA, N. IMADA, H. TADOKORO & T. HONJO (Japan)
- 81 Genotoxicological effects of some phenoxyherbicides and their metabolites on *Bacillus subtilis* M45 Rec⁻ and H17 Rec⁺ strains
 - E. GRABIŃSKA-SOTA, E. WIŚNIOWSKA, J. KALKA & B. ŚCIERANKA (Poland)
- 87 Effects of aluminum on physiological metabolism and antioxidant system of wheat (*Triticum aestivum* L.) B. DONG, W. L. SANG, X. JIANG, J. M. ZHOU, F. X. KONG, W. HU & L. S. WANG (People's Republic of China)
- 93 Regression comparisons of *Tetrahymena pyriformis* and *Poecilia reticulata* toxicity J. R. SEWARD, E. L. HAMBLEN & T. W. SCHULTZ (USA)

Volume 47 No. 2

PERSISTENT ORGANIC POLLUTANTS AND DIOXINS

- 103 Changes to the TEF schemes can have significant impacts on regulation and management of PCDD/F and PCB
 - P. H. DYKE & J. STRATFORD (UK)

- 117 Dioxin reservoirs in southern Viet Nam—A legacy of Agent Orange L. W. DWERNYCHUK (Canada), H. D. CAU (Viet Nam), C. T. HATFIELD, T. G. BOIVIN (Canada), T. M. HUNG, P. T. DUNG & N. D. THAI (Viet Nam)
- 139 Comparability of world-wide analytical data of PCDDs, PCDFs and non-ortho PCBs in samples of chicken, butter and salmon
 - G. LINDSTRÖM (Norway, Sweden), L. S. HAUG, T. NICOLAYSEN & E. DYBING (Norway)
- 147 Characterization of dioxin exposure in firefighters, residents, and chemical workers in the Irkutsk Region of Russian Siberia A. SCHECTER, M. PAVUK (USA), D. A. AMIROVA, E. I. GROSHEVA (Russia), O. PÄPKE (Germany), J. J. RYAN (Canada), J. ADIBI & A. PISKAC (USA)
- 157 Levels of dioxins and dibenzofurans in breast milk of women residing in two cities in the Irkutsk region of Russian Siberia compared with American levels A. SCHECTER, A. L. PISKAC (USA), E. I. GROSHEVA, N. I. MATOROVA (Russia), J. J. RYAN (Canada), P. FÜRST, O. PÄPKE (Germany), J. ADIBI, M. PAVUK, A. SILVER & S. GHAFFAR (USA)
- Assessment of organotin pollution along the Polish coast (Baltic Sea) by using mussels and fish as sentinel organisms
 A. ALBALAT (Spain), J. POTRYKUS (Spain, Poland), J. PEMPKOWIAK (Poland) & C. PORTE (Spain)
- 173 Quantitative determination of 1-hydroxypyrene in bovine urine samples using high-performance liquid chromatography with fluorescence and mass spectrometric detection ST. FERRARI (Switzerland), F. MANDEL (Germany) & J. D. BERSET (Switzerland)
- 183 Investigation of polychlorinated dibenzo-p-dioxins, dibenzo-p-furans and selected coplanar biphenyls in Scottish farmed Atlantic salmon (Salmo salar) M. JACOBS (UK), J. FERRARIO & C. BYRNE (USA)
- 193 PCDD/Fs and PCBs in airborne particulate matter of the greater Thessaloniki area, N. Greece TH. KOUIMTZIS, C. SAMARA, D. VOUTSA, CH. BALAFOUTIS (Greece) & L. MÜLLER (Germany)
- 207 Patterns of PCBs and PCDD/PCDFs in chicken and pork fat following a Belgian food contamination incident A. COVACI (Belgium), J. J. RYAN (Canada) & P. SCHEPENS (Belgium)
- 219 Analysis of chlorinated paraffins in cutting fluids and sealing materials by carbon skeleton reaction gas chromatography
 I.-O. KOH, W. ROTARD & W. H.-P. THIEMANN (Germany)
- 229 Human biomonitoring of polychlorinated biphenyls and polychlorinated dibenzodioxins and dibenzofuranes in teachers working in a PCB-contaminated school
 M. SCHWENK, T. GABRIO, O. PÄPKE & T. WALLENHORST (Germany)

SCIENCE FOR ENVIRONMENTAL TECHNOLOGY

- 235 New large solar photocatalytic plant: set-up and preliminary results S. MALATO, J. BLANCO, A. VIDAL, P. FERNÁNDEZ, J. CÁCERES, P. TRINCADO (Spain), J. C. OLIVEIRA (Portugal) & M. VINCENT (Spain)
- 241 Aniline degradation by Electro-Fenton® and peroxi-coagulation processes using a flow reactor for wastewater treatment
 E. BRILLAS & J. CASADO (Spain)
- 249 Biosorption of cadmium and copper contaminated water by *Scenedesmus abundans* P. A. TERRY & W. STONE (USA)
- 257 The surface characteristics of activated carbon as affected by ozone and alkaline treatment H.-L. CHIANG (Taiwan, ROC), C. P. HUANG (USA) & P. C. CHIANG (Taiwan, ROC)
- 267 Ozonation of activated carbon and its effects on the adsorption of VOCs exemplified by methylethylketone and benzene H.-L. CHIANG, P. C. CHIANG (Taiwan, ROC) & C. P. HUANG (USA)

- 277 Treatment of solutions with binary solutes using an admicellar enhanced CSTR: background solute effect C.-L. LEE & J.-C. LEE (Taiwan, ROC)
- 283 Modeling competitive adsorption of molybdate, sulfate, selenate, and selenite using a Freundlich-type multicomponent isotherm C.-H. WU, C.-Y. KUO, C.-F. LIN & S.-L. LO (Taiwan, ROC)
- 293 Oxidation of diethylene glycol with ozone and modified Fenton processes T. TURAN-ERTAS & M. D. GUROL (USA)
- 303 Influence of surfactants on solubilization and fungal degradation of fluorene D. GARON, S. KRIVOBOK, D. WOUESSIDJEWE & F. SEIGLE-MURANDI (France)
- 311 Catalytic oxidation of TNT by activated carbon
 G. K. VASILYEVA, V. D. KRESLAVSKI (Russia) & P. J. SHEA (USA)
- 319 Flotation of metal-loaded clay anion exchangers. Part II: the case of arsenates N. K. LAZARIDIS, A. HOURZEMANOGLOU & K. A. MATIS (Greece)
- 325 As(III) removal from groundwaters using fixed-bed upflow bioreactors
 I. KATSOYIANNIS, A. ZOUBOULIS (Greece), H. ALTHOFF & H. BARTEL (Germany)
- 333 Fixed-bed study for lanthanide (La, Eu, Yb) ions removal from aqueous solutions by immobilized Pseudomonas aeruginosa: experimental data and modelization
 A. C. TEXIER, Y. ANDRÈS, C. FAUR-BRASQUET & P. LE CLOIREC (France)
- Homogeneous degradation of 1,2,9,10-tetrachlorodecane in aqueous solutions using hydrogen peroxide, iron and UV light
 T. M. EL-MORSI (Canada), M. M. EMARA, H. M. H. ABD EL BARY (Egypt), A. S. ABD-EL-AZIZ & K. J. FRIESEN (Canada)

ENVIRONMENTAL CHEMISTRY

- 349 Thermal formation of PBDD/F from tetrabromobisphenol A—a comparison of polymer linked TBBP A with its additive incorporation in thermoplastics H. WICHMANN, F. T. DETTMER & M. BAHADIR (Germany)
- 357 Contamination by selected chlorinated pesticides in surface waters in Hanoi, Vietnam D. Q. HUNG & W. THIEMANN (Germany)
- 369 Investigation of the soil radon variation during the winter months in Sapporo, Japan R. FUJIYOSHI, H. MORIMOTO & S. SAWAMURA (Japan)
- 375 Multivariate physicochemical characterisation and quantitative structure–property relationship modelling of polybrominated diphenyl ethers M. HARJU, P. L. ANDERSSON, P. HAGLUND & M. TYSKLIND (Sweden)
- 385 A laser flash photolysis study of the decay of SO₄ and Cl₂ radical anions in the presence of Cl⁻ in aqueous solutions
 C. GEORGE & J.-M. CHOVELON (France)
- 395 Measuring acid volatile sulphide in floodplain lake sediments: effect of reaction time, sample size and aeration C. VAN GRIETHUYSEN, F. GILLISSEN & A. A. KOELMANS (Netherlands)
- 401 Formation of involatile methylantimony species by *Clostridium* spp L. M. SMITH, P. J. CRAIG & R. O. JENKINS (UK)
- 409 Movement of metolachlor and terbuthylazine in core and packed soil columns N. SINGH (India), H. KLOEPPEL & W. KLEIN (Germany)
- 417 Atmospheric BTX and polyaromatic hydrocarbons in Rio de Janeiro, Brazil M. B. FERNANDES, L. S. R. BRICKUS, J. C. MOREIRA & J. N. CARDOSO (Brazil)
- 427 Organic aerosols in the Miami area, USA: temporal variability of atmospheric particles and wet/dry deposition Q. LANG, Q. ZHANG & R. JAFFÉ (USA)

- 443 Heavy metal contamination in the seaweeds of the Venice lagoon M. CALICETI, E. ARGESE, A. SFRISO & B. PAVONI (Italy)
- 455 Triazines in the aquatic systems of the Eastern Chinese Rivers Liao-He and Yangtse M. GFRERER (Austria), D. MARTENS (Germany), B. M. GAWLIK (Italy), T. WENZL (Austria), A. ZHANG, X. QUAN, C. SUN, J. CHEN (China), B. PLATZER, E. LANKMAYRS (Austria) & A. KETTRUP (Germany)

ENVIRONMENTAL TOXICOLOGY AND RISK ASSESSMENT

- 467 Use of blood parameters in fish to assess acidic stress and chloride pollution in French running waters N. MASSON, F. GUÉROLD & O. DANGLES (France)
- 475 The relationship between metal concentrations and phenotypes in the Baltic clam *Macoma balthica* (L.) from the Gulf of Gdansk, southern Baltic
 A. SOKOLOWSKI (Poland), D. FICHET, P. GARCIA-MEUNIER, G. RADENAC (France), M. WOLOWICZ (Poland) & G. BLANCHARD (France)
- 485 Impaired glutathione redox status is associated with decreased survival in two organophosphate-poisoned marine bivalves
 S. PEÑA-LLOPIS, M. D. FERRANDO & J. B. PEÑA (Spain)
- 499 Measured variation in boron loads reaching European sewage treatment works K. K. FOX (UK), G. CASSANI, A. FACCHI (Italy), F. R. SCHRÖDER (Germany), C. POELLOTH & M. S. HOLT (Belgium)
- 507 Human health risk assessment case study: an abandoned metal smelter site in Poland E. WCISłO (Poland), D. IOVEN (USA), R. KUCHARSKI & J. SZDZUJ (Poland)
- 517 The importance of the short-term leaching dynamics of wood preservatives J. A. HINGSTON, J. MOORE, A. BACON, J. N. LESTER, R. J. MURPHY & C. D. COLLINS (UK)
- 525 Toxicity of methyl *tert*-butyl ether to marine organisms: Ambient water quality criteria calculation G. A. RAUSINA, D. C. L. WONG, W. R. ARNOLD, E. R. MANCINI & A. E. STEEN (USA)
- 535 A comparison of five rapid direct toxicity assessment methods to determine toxicity of pollutants to activated sludge
 D. J. B. DALZELL (UK), S. ALTE (Germany), E. ASPICHUETA, A. DE LA SOTA, J. ETXEBARRIA, M. GUTIERREZ (Spain), C. C. HOFFMANN, D. SALES (UK), U. OBST (Germany) & N. CHRISTOFI (UK)
- 547 The comparison of rapid bioassays for the assessment of urban groundwater quality
 R. E. DEWHURST, J. R. WHEELER, K. S. CHUMMUN, J. D. MATHER, A. CALLAGHAN & M. CRANE (UK)

Volume 47 No. 6

PERSISTENT ORGANIC POLLUTANTS AND DIOXINS

- 555 Chemical contaminants in juvenile gray whales (*Eschrichtius robustus*) from a subsistence harvest in Arctic feeding grounds
 K. L. TILBURY, J. E. STEIN, C. A. KRONE, R. L. BROWNELL JR. (USA), S. A. BLOKHIN (Russia), J. L. BOLTON & D. W. ERNEST (USA)
- Modeling the formation of PCDD/F in solid waste incineratorsB. R. STANMORE (France)
- 575 PCDD/F and PCB history in dated sediments of a rural lake P. ISOSAARI, H. PAJUNEN & T. VARTIAINEN (Finland)
- 585 Organochlorine contaminants in eggs: the influence of contaminated nest material J. E. CAÑAS & T. A. ANDERSON (USA)

- 591 Comparison of PCDD/F and coplanar PCB concentrations in Japanese human adipose tissue collected in 1970–1971, 1994–1996 and 2000 J.-W. CHOI, Y. MIYABARA, S. HASHIMOTO & M. MORITA (Japan)
- 599 Effect of dissolved humic matters on the leachability of PCDD/F from fly ash Laboratory experiment using Aldrich humic acid

Y.-J. KIM (Japan), D.-H. LEE (South Korea) & M. OSAKO (Japan)

- 607 On-fibre photodegradation studies of polychlorinated biphenyls using SPME-GC-MS-MS: a new approach M. LORES, M. LLOMPART, R. GONZÁLEZ-GARCÍA, C. GONZÁLEZ-BARREIRO & R. CELA (Spain)
- 617 Selecting chemical substances for the UN-ECE POP Protocol
 D. LERCHE, E. VAN DE PLASSCHE, A. SCHWEGLER & F. BALK (Netherlands)
- 631 Polybrominated diphenyl ethers (PBDEs) in marine fish and blue mussels from southern Greenland J. H. CHRISTENSEN, M. GLASIUS, M. PÉCSELI, J. PLATZ & G. PRITZL (Denmark)
- 639 Tracking chlordane compositional and chiral profiles in soil and vegetation J. C. WHITE, M. I. MATTINA, B. D. EITZER & W. IANNUCCI-BERGER (USA)
- 647 A study of polychlorinated dibenzo-*p*-dioxins and dibenzofurans in the atmosphere of Hong Kong D. W.-M. SIN, J. Y.-Y. CHOI & P. K.-K. LOUIE (Hong Kong)
- 655 Environmental risk assessment of phosphonates, used in domestic laundry and cleaning agents in the Netherlands
 J. JAWORSKA (Belgium), H. VAN GENDEREN-TAKKEN, A. HANSTVEIT, E. VAN DE PLASSCHE (Netherlands) & T. FEIJTEL (Belgium)

Volume 47 No. 7

ENVIRONMENTAL CHEMISTRY

- 667 Trichloroacetic acid in the environment A. MCCULLOCH (UK)
- 687 Behavior of dioxin during thermal remediation in the zone combustion process S. HARJANTO, E. KASAI, T. TERUI & T. NAKAMURA (Japan)
- 695 A microcosm test for potential mineralization of chlorinated compounds under coupled aerobic/anaerobic conditions
 D. LYEW, B. TARTAKOVSKY, M.-F. MANUEL & S. R. GUIOT (Canada)

701 Effect of organic acids on adsorption and desorption of rare earth elements

X.-Q. SHAN, J. LIAN & B. WEN (China)

- 711 Comparison of modified montmorillonite adsorbents Part I: preparation, characterization and phenol adsorption
 J.-Q. JIANG, C. COOPER & S. OUKI (UK)
- 717 Bioassay-directed chemical analysis of River Elbe surface water including large volume extractions and high performance fractionation
 N. REINEKE, K. BESTER, H. HÜHNERFUSS, B. JASTORFF & S. WEIGEL (Germany)
- 725 Dissolution rates of three high explosive compounds: TNT, RDX, and HMX J. C. LYNCH, J. M. BRANNON & J. J. DELFINO (USA)
- 735 Evidence for destruction of PCBs by the OH radical in urban atmospheres L. A. TOTTEN, S. J. EISENREICH & P. A. BRUNCIAK (USA)
- 747 The effect of dissolved glyphosate upon the sorption of copper by three selected soils E. MORILLO, T. UNDABEYTIA, C. MAQUEDA & A. RAMOS (Spain)
- 753 Atmospheric deposition of metallic pollutants over the Ligurian Sea: labile and residual inputs V. SANDRONI & C. MIGON (France)

- 765 Heavy metal extractable forms in sludge from wastewater treatment plants E. ALONSO ÁLVAREZ, M. CALLEJÓN MOCHÓN, J. C. JIMÉNEZ SÁNCHEZ & M. TERNERO RODRÍGUEZ (Spain)
- 777 Evaluation of biological integrity of a small urban stream system by investigating longitudinal variability of the fish assemblage

S. SILIGATO & J. BÖHMER (Germany)

789 Comparative environmental assessment of biocides used in antifouling paints N. VOULVOULIS, M. D. SCRIMSHAW & J. N. LESTER (UK)

Volume 47 No. 8

GLOBAL CHANGE SCIENCE

- 797 Pathway of CH₄ formation in anoxic rice field soil and rice roots determined by ¹³C-stable isotope fractionation R. CONRAD, M. KLOSE & P. CLAUS (Germany)
- 807 Atmospheric nitrous oxide: patterns of global change during recent decades and centuries M. A. K. KHALIL, R. A. RASMUSSEN & M. J. SHEARER (USA)
- 823 Correction for water vapor in the measurement of atmospheric trace gases C. L. BUTENHOFF & M. A. K. KHALIL (USA)
- 837 Soil CO₂ fluxes in cereal land use of the Spanish plateau: influence of conventional and reduced tillage practices
 M. L. SÁNCHEZ, M. I. OZORES, R. COLLE, M. J. LÓPEZ, B. DE TORRE, M. A. GARCÍA & I. PÉREZ (Spain)
- 845 Suppression of nitrification and N₂O emission by karanjin—a nitrification inhibitor prepared from karanja (*Pongamia glabra* Vent.)
 D. MAJUMDAR (India)
- 851 Dynamic-chemical coupling of the upper troposphere and lower stratosphere region V. GREWE (Germany, USA), C. REITHMEIER (Germany) & D. T. SHINDELL (USA)
- 863 Volatile organic compounds in some urban locations in United States M. F. MOHAMED (USA, Egypt), D. KANG & V. P. ANEJA (USA)
- 883 Methane emissions from a coastal lagoon: Vembanad Lake, West Coast, India A. VERMA, V. SUBRAMANIAN & R. RAMESH (India)

Volume 47 No. 9

SCIENCE FOR ENVIRONMENTAL TECHNOLOGY

- 891 Biodegradability of aged pyrene and phenanthrene in a natural soil S. HWANG & T. J. CUTRIGHT (USA)
- 901 Effect of concentration, moisture and soil type on the dissipation of flufenacet from soil S. GUPTA & V. T. GAJBHIYE (India)
- 907 Mercury removal from incineration flue gas by organic and inorganic adsorbents J. JURNG, T. G. LEE, G. W. LEE, S.-J. LEE, B. H. KIM (South Korea) & J. SEIER (Germany)
- 915 Kinetic modeling of Fenton oxidation of phenol and monochlorophenols N. KANG, D. S. LEE & J. YOON (South Korea)
- 925 Kinetics of chemical decolorization of the azo dye C.I. Reactive Orange 96 by sulfide E. S. YOO (Germany)
- 933 Determination of the temperature dependence of water solubilities of polycyclic aromatic hydrocarbons by a generator column-on-line solid-phase extraction-liquid chromatographic method J. REZA, A. TREJO & L. E. VERA-ÁVILA (México)

- 947 Screening of pesticides for environmental partitioning tendency P. GRAMATICA & A. DI GUARDO (Italy)
- 957 Transformation of [14C] trichloroethylene by poplar suspension cells T. Q. SHANG & M. P. GORDON (USA)
- 963 Comparison of hydrolysis/coagulation behavior of polymeric and monomeric iron coagulants in humic acid solution W. P. CHENG (Taiwan, ROC)
- 971 Dechlorination of pentachloroethane by commercial Fe and ferruginous smectite J. CERVINI-SILVA, R. A. LARSON, J. WU & J. W. STUCKI (USA)
- 977 Effect of dissolved metal ions on PCE decomposition by gamma-rays H.-H. CHUNG, J. JUNG, J.-H. YOON & M.-J. LEE (South Korea)
- 981 Adsorption of phenolic compounds from aqueous solutions by a water-compatible hypercrosslinked polymeric adsorbent
 - A. LI, Q. ZHANG, G. ZHANG, J. CHEN, Z. FEI & F. LIU (People's Republic of China)
- 991 Riboflavin-photosensitized degradation of atrazine in a freshwater environment H. CUI (USA, China), H.-M. HWANG, K. ZENG, H. GLOVER, H. YU & Y. LIU (USA)
- 1001 Determination of pentachlorophenol (PCP) in waste wood—method comparison by a collaborative trial R. BECKER, H.-G. BUGE & T. WIN (Germany)
- 1007 Multiple regression models: A methodology for evaluating trihalomethane concentrations in drinking water from raw water characteristics S. K. GOLFINOPOULOS (Greece) & G. B. ARHONDITSIS (USA)
- 1019 Photocatalytic oxidation of methyl orange in a three-phase fluidized bed reactor W. NAM, J. KIM & G. HAN (South Korea)
- Herbicides and nitrogen in precipitation: progression from west to east and contribution to the Marne river (France)
 H. BLANCHOUD, B. GARBAN, D. OLLIVON & M. CHEVREUIL (France)

ENVIRONMENTAL TOXICOLOGY AND RISK ASSESSMENT

- 1033 Effect of La³⁺ on the activities of antioxidant enzymes in wheat seedlings under lead stress in solution culture
 - X. PANG, D. H. WANG, X. Y. XING, A. PENG, F. S. ZHANG & C. J. LI (China)
- 1041 Bioconcentration of metals in the moss *Scleropodium purum* in the area surrounding a power plant A geotopographical predictive model for mercury A. CARBALLEIRA & J. A. FERNÁNDEZ (Spain)
- 1049 Bioconcentration of *n*-dodecane and its highly branched isomer 2,2,4,6,6-pentamethylheptane in fathead minnows
 - J. TOLLS & J. VAN DIJK (Netherlands)
- 1059 The toxicity of copper, cadmium and zinc to four different *Hydra* (Cnidaria: Hydrozoa) W. KARNTANUT & D. PASCOE (UK)
- 1065 Biochemical responses of Cr-tolerant and Cr-sensitive mung bean cultivars grown on varying levels of chromium
 - S. SAMANTARY (India)
- 1073 Bioavailability of zinc in runoff water from roofing materials
 D. G. HEIJERICK, C. R. JANSSEN (Belgium), C. KARLÈN, I. O. WALLINDER & C. LEYGRAF (Sweden)
- 1081 Biosorption of copper(II) from aqueous solutions by pre-treated biomass of marine algae *Padina* sp. P. KAEWSARN (Thailand)

- 1087 Congener-distribution patterns and risk assessment of polychlorinated biphenyls, dibenzo-p-dioxins and dibenzofurans in Korean human milk
 - Y.-H. YANG, Y.-S. CHANG, B.-H. KIM, D.-C. SHIN (South Korea) & M. G. IKONOMOU (Canada)
- 1097 Reproduction disturbances of *Brachionus calyciflorus* (rotifer) for the screening of environmental endocrine disrupters
 - P. RADIX, G. SEVERIN, K.-W. SCHRAMM & A. KETTRUP (Germany)
- 1103 Evaluation of major constraints to revegetation of lead/zinc mine tailings using bioassay techniques Z. H. YE, W. S. SHU, Z. Q. ZHANG, C. Y. LAN & M. H. WONG (China)
- 1113 Comparison of two screening level risk assessment approaches for six disinfectants and pharmaceuticals A. P. VAN WEZEL & T. JAGER (Netherlands)
- 1129 Thyroid status in juvenile alligators (*Alligator mississippiensis*) from contaminated and reference sites on Lake Okeechobee, Florida, USA
 - E. A. HEWITT, D. A. CRAIN, M. P. GUNDERSON & L. J. GUILLETTE JR. (USA)

